

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	process\$4 same standard\$5 same remov\$4 same punctuat\$5 same spell: same check\$4 same expand\$4 same contraction\$1 same case\$1 same rule\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/27 11:52
L2	32	process\$4 same standard\$5 same remov\$4 same punctuat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/27 11:52
L3	0	2:and (spell: same: check\$4 same expand\$4 same contraction\$1 same case\$1 same rule\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/27 11:52

within the telecommunications industry, since the technology is needed to provide new automated service assistance (number to name). Within text-to-speech technology, however, it was not possible to offer the inability of a text-to-speech device optimized for a specific language (e.g., American English) ...

5 Equal rights for functional objects or, the more things change, the more they are the same

 Henry G. Baker

October 1993 **ACM SIGPLAN OOPS Messenger**, Volume 4 Issue 4

Publisher: ACM Press

Full text available:  [pdf\(2.61 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

We argue that intensional *object identity* in object-oriented programming languages and databases is the semantics. A corollary is that "functional" objects have extensional semantics. This model of object identity, in forms of relational algebra, provides cleaner semantics for the value-transmission operations and built-in programming language, and eliminates the confusion surrounding "cast" ...

6 Fortran 8X draft

 Loren P. Meissner

December 1989 **ACM SIGPLAN Fortran Forum**, Volume 8 Issue 4

Publisher: ACM Press

Full text available:  [pdf\(21.36 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

Standard Programming Language Fortran. This standard specifies the form and establishes the intent of the Fortran language. It consists of the specification of the language Fortran. No subsets are specified in this standard, commonly known as "FORTRAN 77", is entirely contained within this standard, known as "Fortran 8X". A conforming FORTRAN 77 program is standard conforming under this standard. New features can be ...

7 A Semi-Decision Procedure for the Functional Calculus

 Joyce Friedman

January 1963 **Journal of the ACM (JACM)**, Volume 10 Issue 1

Publisher: ACM Press

Full text available:  [pdf\(1.41 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

8 Automatic Proofs of Theorems in Analysis Using Nonstandard Techniques

 W. W. Bledsoe, A. Michael Ballantyne

July 1977 **Journal of the ACM (JACM)**, Volume 24 Issue 3

Publisher: ACM Press

Full text available:  [pdf\(1.37 MB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

9 A theory of using history for equational systems with applications

 Rakesh M. Verma

September 1995 **Journal of the ACM (JACM)**, Volume 42 Issue 5

Publisher: ACM Press

Full text available:  [pdf\(2.70 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Implementation of programming language interpreters, proving theorem of the form $A=B$, implementation of program optimization are all problems that can be reduced to the problem of finding a normal form for a set of equations. In 1980, Chew proposed an elegant congruence closure based simplifier (CCNS) for λ -calculus that stores the history of its computations in a compact data structure. In 1990, Verma and Ra ...

Keywords: congruence-closure algorithm, equational logic, proof theory, rewrite system transformation

10

Mobile objects in distributed Oz

 Peter Van Roy, Seif Haridi, Per Brand, Gert Smolka, Michael Mehl, Ralf Scheidhauer
September 1997 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 19 I:
Publisher: ACM Press
Full text available:  pdf(484.83 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [inc](#)

Some of the most difficult questions to answer when designing a distributed application are related to i between sites and when and how to transfer it. Network-transparent distribution, the property that a p how it is partitioned among sites, does not directly address these questions. Therefore we propose to e network behavior that enables efficient distributed programm ...

Keywords: latency tolerance, mobile objects, network transparency

11 Special issue on computational phonology: Regular models of phonological rule systems

Ronald M. Kaplan, Martin Kay
September 1994 **Computational Linguistics**, Volume 20 Issue 3

Publisher: MIT Press

Full text available:  pdf(3.40 MB)  Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

This paper presents a set of mathematical and computational tools for manipulating and reasoning abo relations and argues that they provide a solid basis for computational phonology. It shows in detail how sets of context-sensitive rewriting rules and also to grammars in Koskenniemi's two-level formalism. The representation of phonological constraints that supports efficient generation and recognition b ...

12 Java consistency: nonoperational characterizations for Java memory behavior

 Alex Gontmakher, Assaf Schuster
November 2000 **ACM Transactions on Computer Systems (TOCS)**, Volume 18 Issue 4

Publisher: ACM Press

Full text available:  pdf(305.72 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [inc](#)

The Java Language Specification (JLS) [Gosling et al. 1996] provides an operational definition for the c definition remains unchanged in the JLS 2nd edition, currently under peer review, which relies on a spe model, is very complicated. Several subsequent works have tried to simplify and formalize it. However, operational, and thus have failed to highlight the intuition behind the o ...

Keywords: Java memory models, multithreading, nonoperational specification

13 A simulation model for same day care facility at a university hospital

Wafik H. Iskander, D. Mark Carter
December 1991 **Proceedings of the 23rd conference on Winter simulation**

Publisher: IEEE Computer Society

Full text available:  pdf(594.02 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

14 Efficient support for interactive service in multi-resolution VOD systems

Kelvin K. W. Law, John C. S. Lui, Leana Golubchik
October 1999 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 8

Publisher: Springer-Verlag New York, Inc.

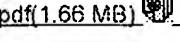
Full text available:  pdf(261.23 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Advances in high-speed networks and multimedia technologies have made it feasible to provide video-. However, it is still a challenging task to design a cost-effective VOD system that can support a large nu different quality of service (QoS) requirements) and, at the same time, provide different types of VCR 1 recognized that VCR operations are important functionalities in providing VOD service, tec ...

Keywords: Interactive services, Multi-resolution services, Multimedia servers, VOD systems

15 Special issue of the lexicon: Large lexicons for natural language processing: utilising the grammar
Bran Boguraev, Ted Briscoe
July 1987 **Computational Linguistics**, Volume 13 Issue 3-4

Publisher: MIT Press

Full text available:  [pdf\(1.66 MB\)](#)  [Publisher Site](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

This article focusses on the derivation of large lexicons for natural language processing. We describe the environment linking a restructured version of the Longman Dictionary of Contemporary English to the process of restructuring the information in the machine readable version of the dictionary is discussed. used to construct 'theory neutral' lexical entries. We demonstrate how such lexi ...

16 The complexity of probabilistic verification

 Costas Courcoubetis, Mihalis Yannakakis
July 1995 **Journal of the ACM (JACM)**, Volume 42 Issue 4

Publisher: ACM Press

Full text available:  [pdf\(4.14 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [inc](#)

We determine the complexity of testing whether a finite state, sequential or concurrent probabilistic program expressed in linear-time temporal logic. For sequential programs, we present an algorithm that runs in exponential in the specification, and also show that the problem is in PSPACE, matching the known lower bound. We show that the problem can be solved in time polynomial in the program and doubly exponential in the size of the program ...

Keywords: EXPTIME-complete, Markov chain, PSPACE-complete, automata, model checking, probabilistic verification

17 Channel routing of multiterminal nets

 Shaodi Gao, Michael Kaufmann
July 1994 **Journal of the ACM (JACM)**, Volume 41 Issue 4

Publisher: ACM Press

Full text available:  [pdf\(1.80 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [inc](#)

This paper presents new upper bounds for channel routing of multiterminal nets, which answers the long-standing question whether multiterminal problems really require channels two times wider than 2-terminal problems. We transform a multiterminal problem of density d into a so-called extended simple channel routing problem (ESCRP) of density $3d/2 + O(\log d)$.

Keywords: VLSI layout, channel routing

18 Propositional computability logic II

 Giorgi Japaridze
April 2006 **ACM Transactions on Computational Logic (TOCL)**, Volume 7 Issue 2

Publisher: ACM Press

Full text available:  [pdf\(250.61 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index term](#)

Computability logic is a formal theory of computational tasks and resources. Its formulas represent interactive processes. Logical operators stand for operations on computational problems, and validity of a formula is understood as the existence of an algorithmic solution. The earlier article "Propositional computability logic I" proved that the logic is complete with respect to a sense) minimal nontrivial fragment **CL1** of computability logic ...

Keywords: Computability logic, computational resources, game semantics, interactive algorithms, linear logic

19 A program integration algorithm that accommodates semantics-preserving transformations

 Wuu Yang, Susan Horwitz, Thomas Reps
July 1992 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 1 Issue 1

Publisher: ACM Press

Full text available:  pdf(3.07 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [inc](#)

Given a program Base and two variants, A and B, each created by modifying separate copies of Base, to determine whether the modifications interfere, and if they do not, to create an integrated program that preserves the portions of Base preserved in both variants. Text-based integration techniques, such as the one

Keywords: coarsest partition, control dependence, data dependence, data-flow analysis, flow dependence, program integration, program representation graph, static-single-assignment form

20 [Moshe: A group membership service for WANs](#)

 Idit Keidar, Jeremy Sussman, Keith Marzullo, Danny Dolev

August 2002 **ACM Transactions on Computer Systems (TOCS)**, Volume 20 Issue 3

Publisher: ACM Press

Full text available:  pdf(944.45 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [inc](#)

We present Moshe, a novel scalable group membership algorithm built specifically for use in wide area partitions. Moshe is designed with three new significant features that are important in this setting: it achieves up-to-date memberships; it requires a single round of messages in the common case; and it employs a client-server interface. Furthermore, Moshe's interface supplies the hooks needed to provide clients with fu ...

Keywords: Group communication systems, group membership, partitionable group membership, view area networks

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